

WEST Search History

DATE: Saturday, September 27, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ</i>			
L21	6302874.pn.	2	L21
L20	115 and 11	1	L20
L19	L18 and 117	22	L19
L18	oral\$7 or dental or mouth or denture	407730	L18
L17	L16 and 112	49	L17
L16	L15 and 110	82	L16
L15	ascorbyl with phosphate	816	L15
L14	6107281.pn.	2	L14
L13	L11 and L12	15	L13
L12	antimicrobial or antibacterial	117558	L12
L11	L9 and L10	19	L11
L10	adhesive	837230	L10
L9	L7 and L8	75	L9
L8	oral	168860	L8
L7	ascorbyl phosphate	592	L7
L6	L2 and L5	1	L6
L5	polymeric.ti.	34920	L5
L4	L2 and L3	7	L4
L3	3m.as.	8919	L3
L2	godbey.in.	63	L2
<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>			
L1	montgomery-r\$5-e\$4	65	L1

END OF SEARCH HISTORY

=> s magnesium ascorbyl phosphate

81502 MAGNESIUM

59 ASCORBYL

183230 PHOSPHATE

L1 1 MAGNESIUM ASCORBYL PHOSPHATE
(MAGNESIUM(W) ASCORBYL(W) PHOSPHATE)

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN

RN 108910-78-7 REGISTRY

CN L-Ascorbic acid, phosphate, magnesium salt (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ascorbic acid phosphate magnesium salt

CN C-Mate

CN Magnesium ascorbate phosphate

CN **Magnesium ascorbyl phosphate**

CN Magnesium L-ascorbate phosphate

FS STEREOSEARCH

DR 224960-02-5

MF C6 H8 O6 . x H3 O4 P . x Mg

CI COM

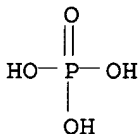
SR CA

LC STN Files: BIOSIS, CA, CAPLUS, CEN, CHEMCATS, CSCHEM, TOXCENTER, USPAT2,
USPATFULL

CM 1

CRN 7664-38-2

CMF H3 O4 P

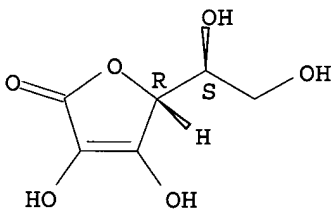


CM 2

CRN 50-81-7

CMF C6 H8 O6

Absolute stereochemistry.



335 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

336 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> ascorbyl 2 phosphate

ASCORBYL IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s ascorbyl 2 phosphate

59 ASCORBYL
15816737 2
183230 PHOSPHATE
L2 2 ASCORBYL 2 PHOSPHATE
(ASCORBYL (W) 2 (W) PHOSPHATE)

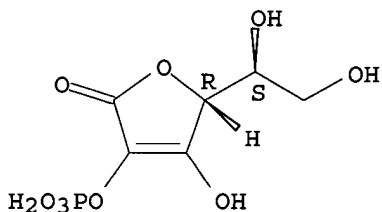
=> d 12 1-2

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS on STN
RN 23666-04-8 REGISTRY
CN L-Ascorbic acid, 2-(dihydrogen phosphate), magnesium salt (1:1) (8CI, 9CI)
(CA INDEX NAME)

OTHER NAMES:

CN **Magnesium ascorbyl 2-phosphate**
FS STEREOSEARCH
MF C6 H9 O9 P . Mg
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMLIST, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
CRN (23313-12-4)

Absolute stereochemistry.



O Mg

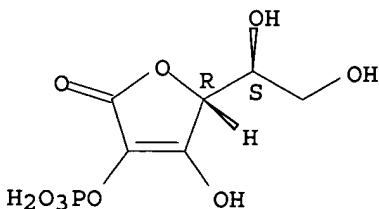
85 REFERENCES IN FILE CA (1907 TO DATE)
85 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS on STN
RN 23313-12-4 REGISTRY
CN L-Ascorbic acid, 2-(dihydrogen phosphate) (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ascorbic acid 2-phosphate
CN L-Ascorbic acid 2-phosphate
CN L-Ascorbic acid 2-phosphate (ester)
CN **L-Ascorbyl-2-phosphate**
FS STEREOSEARCH
DR 172173-78-3, 81877-56-7
MF C6 H9 O9 P
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, DDFU, DRUGU, EMBASE, IPA, MEDLINE, PROMT, TOXCENTER, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

259 REFERENCES IN FILE CA (1907 TO DATE)
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
260 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s s ascorbyl 2 monophosphate
1578170 S
59 ASCORBYL
15816737 2
1380 MONOPHOSPHATE
L3 0 S ASCORBYL 2 MONOPHOSPHATE
(S (W) ASCORBYL (W) 2 (W) MONOPHOSPHATE)

=> s ascorbyl 2 monophosphate
59 ASCORBYL
15816737 2
1380 MONOPHOSPHATE
L4 0 ASCORBYL 2 MONOPHOSPHATE
(ASCORBYL (W) 2 (W) MONOPHOSPHATE)

=> s ascorbyl 2 diphosphate
59 ASCORBYL
15816737 2
13962 DIPHOSPHATE
L5 0 ASCORBYL 2 DIPHOSPHATE
(ASCORBYL (W) 2 (W) DIPHOSPHATE)

=> s ascorbyl 2 triphosphate
59 ASCORBYL
15816737 2
9475 TRIPHOSPHATE
L6 0 ASCORBYL 2 TRIPHOSPHATE
(ASCORBYL (W) 2 (W) TRIPHOSPHATE)

=> s ascorbyl 2 polyphosphate
59 ASCORBYL
15816737 2
505 POLYPHOSPHATE
L7 0 ASCORBYL 2 POLYPHOSPHATE
(ASCORBYL (W) 2 (W) POLYPHOSPHATE)

=> s ascorbyl 2 phosphate sodium
59 ASCORBYL
15816737 2
183230 PHOSPHATE
275011 SODIUM
L8 0 ASCORBYL 2 PHOSPHATE SODIUM
(ASCORBYL (W) 2 (W) PHOSPHATE (W) SODIUM)

=> s ascorbyl 2 phosphate (s) potassium
59 ASCORBYL
15816737 2
183230 PHOSPHATE
2 ASCORBYL 2 PHOSPHATE
(ASCORBYL (W) 2 (W) PHOSPHATE)
106582 POTASSIUM
L9 0 ASCORBYL 2 PHOSPHATE (S) POTASSIUM

=> s ascorbyl 2 phosphate potassium
59 ASCORBYL
15816737 2
183230 PHOSPHATE
106582 POTASSIUM
L10 0 ASCORBYL 2 PHOSPHATE POTASSIUM
(ASCORBYL (W) 2 (W) PHOSPHATE (W) POTASSIUM)

=> s ascorbyl monophosphate
59 ASCORBYL
1380 MONOPHOSPHATE
L11 1 ASCORBYL MONOPHOSPHATE
(ASCORBYL(W) MONOPHOSPHATE)

=> d l11

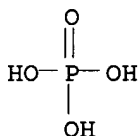
L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 110632-98-9 REGISTRY
CN L-Ascorbic acid, mono(dihydrogen phosphate), sodium salt (9CI) (CA INDEX
NAME)

OTHER NAMES:

CN Sodium Ascorbyl monophosphate
FS STEREOSEARCH
MF C6 H9 O9 P . x Na
CI IDS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

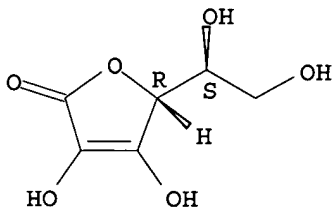
CRN 7664-38-2
CMF H3 O4 P



CM 2

CRN 50-81-7
CMF C6 H8 O6

Absolute stereochemistry.



12 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s ascorbyl diphosphate
59 ASCORBYL
13962 DIPHOSPHATE
L12 0 ASCORBYL DIPHOSPHATE
(ASCORBYL(W) DIPHOSPHATE)

=> s ascorbyl triphosphate
59 ASCORBYL
9475 TRIPHOSPHATE
L13 0 ASCORBYL TRIPHOSPHATE
(ASCORBYL(W) TRIPHOSPHATE)

=> s ascorbyl polyphosphate
59 ASCORBYL

505 POLYPHOSPHATE

L14 0 ASCORBYL POLYPHOSPHATE
(ASCORBYL(W) POLYPHOSPHATE)

=> d his

(FILE 'HOME' ENTERED AT 13:50:20 ON 27 SEP 2003)

FILE 'REGISTRY' ENTERED AT 13:50:26 ON 27 SEP 2003

L1	1 S MAGNESIUM ASCORBYL PHOSPHATE
L2	2 S ASCORBYL 2 PHOSPHATE
L3	0 S S ASCORBYL 2 MONOPHOSPHATE
L4	0 S ASCORBYL 2 MONOPHOSPHATE
L5	0 S ASCORBYL 2 DIPHOSPHATE
L6	0 S ASCORBYL 2 TRIPHOSPHATE
L7	0 S ASCORBYL 2 POLYPHOSPHATE
L8	0 S ASCORBYL 2 PHOSPHATE SODIUM
L9	0 S ASCORBYL 2 PHOSPHATE (S) POTASSIUM
L10	0 S ASCORBYL 2 PHOSPHATE POTASSIUM
L11	1 S ASCORBYL MONOPHOSPHATE
L12	0 S ASCORBYL DIPHOSPHATE
L13	0 S ASCORBYL TRIPHOSPHATE
L14	0 S ASCORBYL POLYPHOSPHATE

=> file medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

187.96

188.17

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FILE 'USPAT2' ENTERED AT 13:56:20 ON 27 SEP 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l2 or l11
22 FILES SEARCHED...
L15 851 L2 OR L11

=> s denture adhesive
L16 746 DENTURE ADHESIVE

=> s l15 and l16

L17 1 L15 AND L16

=> d l17 ibib, kwic

L17 ANSWER 1 OF 1 USPATFULL on STN
ACCESSION NUMBER: 2002:251775 USPATFULL
TITLE: Topical oral care compositions
INVENTOR(S): Montgomery, R. Eric, Monterey, MA, UNITED STATES
PATENT ASSIGNEE(S): Oraceutical LLC, Lee, MA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002137728	A1	20020926
APPLICATION INFO.:	US 2002-56296	A1	20020124 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-263884P	20010124 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BANNER & WITCOFF, LTD., 28 STATE STREET, 28th FLOOR, BOSTON, MA, 02109	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	776	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM . . . delivered to the oral cavity by means of) a toothpaste
(dentifrice), gel, mouthwash, chewing gum, lozenge, floss, interdental
stimulating stick, **denture adhesive**, buccal patch,
tooth balm, dental tray-administered gel or paste, spray, chewable
object (such as an animal chew toy comprising rawhide. . .

DETD [0084] **Denture Adhesive** Comprising a Sodium/Calcium
Mixed Salt of Ascorbyl-2-phosphate

DETD [0085] Useful compositions have been prepared that demonstrate
antioxidant activity when used as a **denture adhesive**
to temporarily affix a denture to an oral mucosal surface. One example
of such a **denture adhesive** is provided in the table
below.

Petrolatum	31.259
Mineral Oil	14.271
Ascorbyl-2-phosphate, Na/Ca mixed salt (Rovimix Stay-C 35)	2.000
Hydrated silica	1.833
Poly(methyl vinyl. . .	
IT 23313-12-4 30784-77-1 109113-30-6 125913-31-7, Rovimix	
Stay-C 35 134885-32-8 143567-34-4	
(topical oral care compns. contg. ascorbyl phosphate)	

=> s adhesive

L18 753505 ADHESIVE

=> s dental

L19 671212 DENTAL

=> s l18 (s) l19

L20 6449 L18 (S) L19

=> d his

(FILE 'HOME' ENTERED AT 13:50:20 ON 27 SEP 2003)

FILE 'REGISTRY' ENTERED AT 13:50:26 ON 27 SEP 2003

L1 1 S MAGNESIUM ASCORBYL PHOSPHATE
L2 2 S ASCORBYL 2 PHOSPHATE
L3 0 S S ASCORBYL 2 MONOPHOSPHATE
L4 0 S ASCORBYL 2 MONOPHOSPHATE
L5 0 S ASCORBYL 2 DIPHOSPHATE
L6 0 S ASCORBYL 2 TRIPHOSPHATE
L7 0 S ASCORBYL 2 POLYPHOSPHATE
L8 0 S ASCORBYL 2 PHOSPHATE SODIUM
L9 0 S ASCORBYL 2 PHOSPHATE (S) POTASSIUM
L10 0 S ASCORBYL 2 PHOSPHATE POTASSIUM
L11 1 S ASCORBYL MONOPHOSPHATE
L12 0 S ASCORBYL DIPHOSPHATE
L13 0 S ASCORBYL TRIPHOSPHATE
L14 0 S ASCORBYL POLYPHOSPHATE

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CANCERLIT, CAPLUS, CEN, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, DRUGNL, DRUGU, EMBAL, EMBASE, ESBIOBASE, IFIPAT, IPA, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF, MEDLINE, NAPRALERT, NLDB, NUTRACEUT, ...' ENTERED AT 13:56:20 ON 27 SEP 2003

L15 851 S L2 OR L11
L16 746 S DENTURE ADHESIVE
L17 1 S L15 AND L16
L18 753505 S ADHESIVE
L19 671212 S DENTAL
L20 6449 S L18 (S) L19

=> s l20 and l15

L21 1 L20 AND L15

=> d l21 ibib, kwic

L21 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2002:251775 USPATFULL

TITLE: Topical oral care compositions

INVENTOR(S): Montgomery, R. Eric, Monterey, MA, UNITED STATES

PATENT ASSIGNEE(S): Oraceutical LLC, Lee, MA (U.S. corporation)

	NUMBER	KIND	DATE
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	NUMBER	DATE
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FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BANNER & WITCOFF, LTD., 28 STATE STREET, 28th FLOOR, BOSTON, MA, 02109	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	776	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM . . . to the oral cavity by means of) a toothpaste (dentifrice), gel, mouthwash, chewing gum, lozenge, floss, interdental stimulating stick,

denture **adhesive**, buccal patch, tooth balm, **dental**
tray-administered gel or paste, spray, chewable object (such as an
animal chew toy comprising rawhide as a carrier), food or. . .
IT 23313-12-4 30784-77-1 109113-30-6 125913-31-7, Rovimix
Stay-C 35 134885-32-8 143567-34-4
(topical oral care compns. contg. ascorbyl phosphate)

=> s l15 and l18
L22 8 L15 AND L18

=> dup rem
ENTER L# LIST OR (END):l22
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGLAUNCH,
DRUGMONOG2, KOSMET, MEDICONF, NUTRACEUT, PCTGEN, PHARMAML'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L22
L23 8 DUP REM L22 (0 DUPLICATES REMOVED)

=> d l23 1-8 ibib, kwic

L23 ANSWER 1 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2003:141276 USPATFULL
TITLE: Method and apparatus for electrically assisted topical
delivery of agents for cosmetic applications
INVENTOR(S): Zhang, Lei, San Diego, CA, UNITED STATES
Hofmann, Gunter A., San Diego, CA, UNITED STATES
PATENT ASSIGNEE(S): GENETRONICS, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003097118	A1	20030522
APPLICATION INFO.:	US 2001-966390	A1	20010927 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-352818, filed on 13 Jul 1999, GRANTED, Pat. No. US 6302874		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-92541P	19980713 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Lisa A. Haile, J.D., Ph.D., GRAY CARY WARE & FREIDENRICH LLP, Suite 1100, 4365 Executive Drive, San Diego, CA, 92121-2133	
NUMBER OF CLAIMS:	80	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	1399	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . turn, attachable to the support unit. Electrodes may be mounted
to the detachable mounting bracket by means of an integral
adhesive means (such as an **adhesive** strip, as shown
for example in FIG. 6B, or the like).

DETD . . . a cosmetic reservoir 16 can be placed atop the electrode 18,
and the electrode 18 can be backed with an **adhesive** film 20
that can be peeled off for use.

CLM What is claimed is:
66. A handheld pulser according to claim 61, wherein said electrode
comprises an **adhesive** layer for attachment of said electrode
to said electrode mounting bracket.

IT 50-81-7, L-Ascorbic acid, biological studies 23313-12-4,
L-Ascorbic acid-2-phosphate 108910-78-7, Magnesium ascorbyl phosphate
(method and app. for elec. assisted topical delivery of agents for
cosmetic applications)

L23 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2002:31182 CAPLUS
DOCUMENT NUMBER: 136:96090

TITLE: Method for promoting cell repair and regeneration after injury by administration of ascorbic acid and ascorbic acid salts
INVENTOR(S): Schnellmann, Ricky; Nowak, Grazyna
PATENT ASSIGNEE(S): The Board of Trustees of the University of Arkansas, USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002001954	A1	20020110	WO 2001-US21337	20010705
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001073202	A5	20020114	AU 2001-73202	20010705
US 2002019372	A1	20020214	US 2001-899704	20010705
PRIORITY APPLN. INFO.:			US 2000-215960P	P 20000705
			US 2000-212224P	P 20000616
			WO 2001-US21337	W 20010705

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT Adsorbents
(attached to **adhesive** strip; method for promoting cell repair and regeneration after injury by administration of ascorbic acid and ascorbic acid salts)

IT Medical goods
(dressings, **adhesive**; method for promoting cell repair and regeneration after injury by administration of ascorbic acid and ascorbic acid salts)

IT **Adhesive** tapes
(peelable, adsorbent material is attached to; method for promoting cell repair and regeneration after injury by administration of ascorbic acid and ascorbic acid salts)

IT 23313-12-4, L-Ascorbic acid-2-phosphate 23666-04-8
62624-30-0, Ascorbic acid 125913-31-7, L-Ascorbic acid phosphate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(method for promoting cell repair and regeneration after injury by administration of ascorbic acid and ascorbic acid salts)

L23 ANSWER 3 OF 8 USPATFULL on STN
ACCESSION NUMBER: 2002:251775 USPATFULL
TITLE: Topical oral care compositions
INVENTOR(S): Montgomery, R. Eric, Monterey, MA, UNITED STATES
PATENT ASSIGNEE(S): Oraceutical LLC, Lee, MA (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002137728	A1	20020926
APPLICATION INFO.:	US 2002-56296	A1	20020124 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-263884P	20010124 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BANNER & WITCOFF, LTD., 28 STATE STREET, 28th FLOOR, BOSTON, MA, 02109	

NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 776

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM . . . to the oral cavity by means of) a toothpaste (dentifrice), gel, mouthwash, chewing gum, lozenge, floss, interdental stimulating stick, denture **adhesive**, buccal patch, tooth balm, dental tray-administered gel or paste, spray, chewable object (such as an animal chew toy comprising rawhide. . .

DETD [0084] Denture **Adhesive** Comprising a Sodium/Calcium Mixed Salt of Ascorbyl-2-phosphate

DETD [0085] Useful compositions have been prepared that demonstrate antioxidant activity when used as a denture **adhesive** to temporarily affix a denture to an oral mucosal surface. One example of such a denture **adhesive** is provided in the table below.

Petrolatum	31.259
Mineral Oil	14.271
Ascorbyl-2-phosphate, Na/Ca mixed salt (Rovimix Stay-C 35)	2.000
Hydrated silica	1.833
Poly(methyl vinyl. . .	
IT 23313-12-4 30784-77-1 109113-30-6 125913-31-7, Rovimix Stay-C 35 134885-32-8 143567-34-4	
(topical oral care compns. contg. ascorbyl phosphate)	

L23 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2002:214259 USPATFULL

TITLE: Use of adipose tissue-derived stromal cells for chondrocyte differentiation and cartilage repair

INVENTOR(S): Halvorsen, Yuan-Di C., Holly Springs, NC, UNITED STATES
Wilkison, William O., Bahama, NC, UNITED STATES
Gimble, Jeffrey Martin, Chapel Hill, NC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002115647	A1	20020822
APPLICATION INFO.:	US 2002-125106	A1	20020418 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-573989, filed on 17 May 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-149850P	19990819 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	KING & SPALDING, 191 PEACHTREE STREET, N.E., ATLANTA, GA, 30303-1763	

NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Page(s)
LINE COUNT: 831

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . still having chondrogenic potential may be cultured in an anchorage-independent manner, i.e., in a well having a cell contacting, cell **adhesive** surface, in order to stimulate the secretion of cartilage-specific extracellular matrix components.

DETD [0055] Several approaches are available for preparing pre-shaped wells with cell contacting, cell **adhesive** surfaces.

DETD . . . removal of the cylinder is covered with molten agarose. This seals the bottom of the well and provides a cell **adhesive** surface at the base of the well. When the newly added molten LT agarose cools and solidifies, the resulting pre-shaped. . .

IT 7782-44-7, Oxygen, biological studies 9005-35-0, Calcium alginate
23313-12-4
(use and culture of adipose tissue-derived stromal cells for chondrocyte differentiation and cartilage repair)

L23 ANSWER 5 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2002:194742 USPATFULL
TITLE: Use of adipose tissue-derived stromal cells for
chondrocyte differentiation and cartilage repair
INVENTOR(S): Halvorsen, Yuan-Di C., Holly Springs, NC, United States
Wilkison, William O., Bahama, NC, United States
Gimble, Jeffrey Martin, Chapel Hill, NC, United States
PATENT ASSIGNEE(S): Artec Science, Inc., Durham, NC, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6429013	B1	20020806
APPLICATION INFO.:	US 2000-573989		20000517 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-149850P	19990819 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Guzo, David	
ASSISTANT EXAMINER:	Davis, Katharine F	
LEGAL REPRESENTATIVE:	King & Spalding, Knowles, Sherry M., Bennett-Paris, Joseph	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	995	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . still having chondrogenic potential may be cultured in an anchorage-independent manner, i.e., in a well having a cell contacting, cell **adhesive** surface, in order to stimulate the secretion of cartilage-specific extracellular matrix components.

DETD Several approaches are available for preparing pre-shaped wells with cell contacting, cell **adhesive** surfaces.

DETD . . . removal of the cylinder is covered with molten agarose. This seals the bottom of the well and provides a cell **adhesive** surface at the base of the well. When the newly added molten LT agarose cools and solidifies, the resulting pre-shaped. . .

IT 7782-44-7, Oxygen, biological studies 9005-35-0, Calcium alginate
23313-12-4

(use and culture of adipose tissue-derived stromal cells for chondrocyte differentiation and cartilage repair)

L23 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2001:798400 CAPLUS
DOCUMENT NUMBER: 135:328948
TITLE: Method for constructing three-dimensional cell clusters from cultured cells
INVENTOR(S): Hashizume, Kazuyoshi; Takahashi, Toru; Yamauchi, Nobuhiko
PATENT ASSIGNEE(S): Japan as Represented by Director-General of National Institute of Animal Industry, Ministry of Agriculture, Forestry and Fisheries, Japan; Bio-Oriented Technology Research Advancement Institution
SOURCE: PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001081550	A1	20011101	WO 2000-JP9158	20001222
W: AU, CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				

PRIORITY APPLN. INFO.: JP 2000-126593 A 20000426

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

AB A method is provided for constructing three-dimensional multi-cellular spherical clusters (spheroids) by treating cells having been cultured in a medium contg. ascorbic acid or its deriv. (e.g., ascorbic acid 2-phosphate) with a chelating agent (e.g., EDTA, EGTA), stripping off the cultured cells in the form of a sheet from a culture dish, and then culturing the cell sheet on a culture dish non-**adhesive** to cells.

IT 50-81-7, Ascorbic acid, biological studies 50-81-7D, Ascorbic acid, deriv. 60-00-4, EDTA, biological studies 67-42-5, EGTA
23313-12-4, L-Ascorbic acid, 2-(dihydrogen phosphate)

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(method for constructing three-dimensional cell clusters from cultured cells)

L23 ANSWER 7 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2001:178391 USPATFULL

TITLE: Method and apparatus for electrically assisted topical delivery of agents for cosmetic applications

INVENTOR(S): Zhang, Lei, San Diego, CA, United States
Hofmann, Gunter A., San Diego, CA, United States

PATENT ASSIGNEE(S): Genetronics, Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6302874	B1	20011016
APPLICATION INFO.:	US 1999-352818		19990713 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-92541P	19980713 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Bockelman, Mark	
LEGAL REPRESENTATIVE:	Gray Cary Ware Freidenrich, Haile, Lisa A.	
NUMBER OF CLAIMS:	54	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	1310	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . turn, attachable to the support unit. Electrodes may be mounted to the detachable mounting bracket by means of an integral **adhesive** means (such as an **adhesive** strip, as shown for example in FIG. 6B, or the like).

DETD . . . a cosmetic reservoir 16 can be placed atop the electrode 18, and the electrode 18 can be backed with an **adhesive** film 20 that can be peeled off for use.

IT 50-81-7, L-Ascorbic acid, biological studies 23313-12-4,
L-Ascorbic acid-2-phosphate 108910-78-7, Magnesium ascorbyl phosphate
(method and app. for elec. assisted topical delivery of agents for cosmetic applications)

L23 ANSWER 8 OF 8 MEDLINE on STN

ACCESSION NUMBER: 95193477 MEDLINE

DOCUMENT NUMBER: 95193477 PubMed ID: 7887121

TITLE: Extracellular matrix regulates cell morphology, proliferation, and tissue formation.

AUTHOR: Senoo H; Hata R

CORPORATE SOURCE: Department of Anatomy, School of Medicine, Tokyo Medical and Dental University, Japan.

SOURCE: KAIBOGAKU ZASSHI. JOURNAL OF ANATOMY, (1994 Dec) 69 (6)
719-33. Ref: 56
Journal code: 0413526. ISSN: 0022-7722.

PUB. COUNTRY: Japan

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199504
ENTRY DATE: Entered STN: 19950425
Last Updated on STN: 19950425
Entered Medline: 19950413

AB The roles of extracellular matrix (ECM) components such as collagen, elastin, proteoglycan, and **adhesive** glycoprotein in the regulation of cell morphology, proliferation, and tissue formation were investigated. On a basement membrane gel, the perisinusoidal. . .
RN 23313-12-4 (**ascorbate-2-phosphate**); 50-81-7 (Ascorbic Acid)